

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022393.D
 Acq On : 22 May 2025 14:09
 Operator : SY/MD
 Sample : Q2074-05
 Misc : 7.77g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-38

Quant Time: May 23 03:37:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

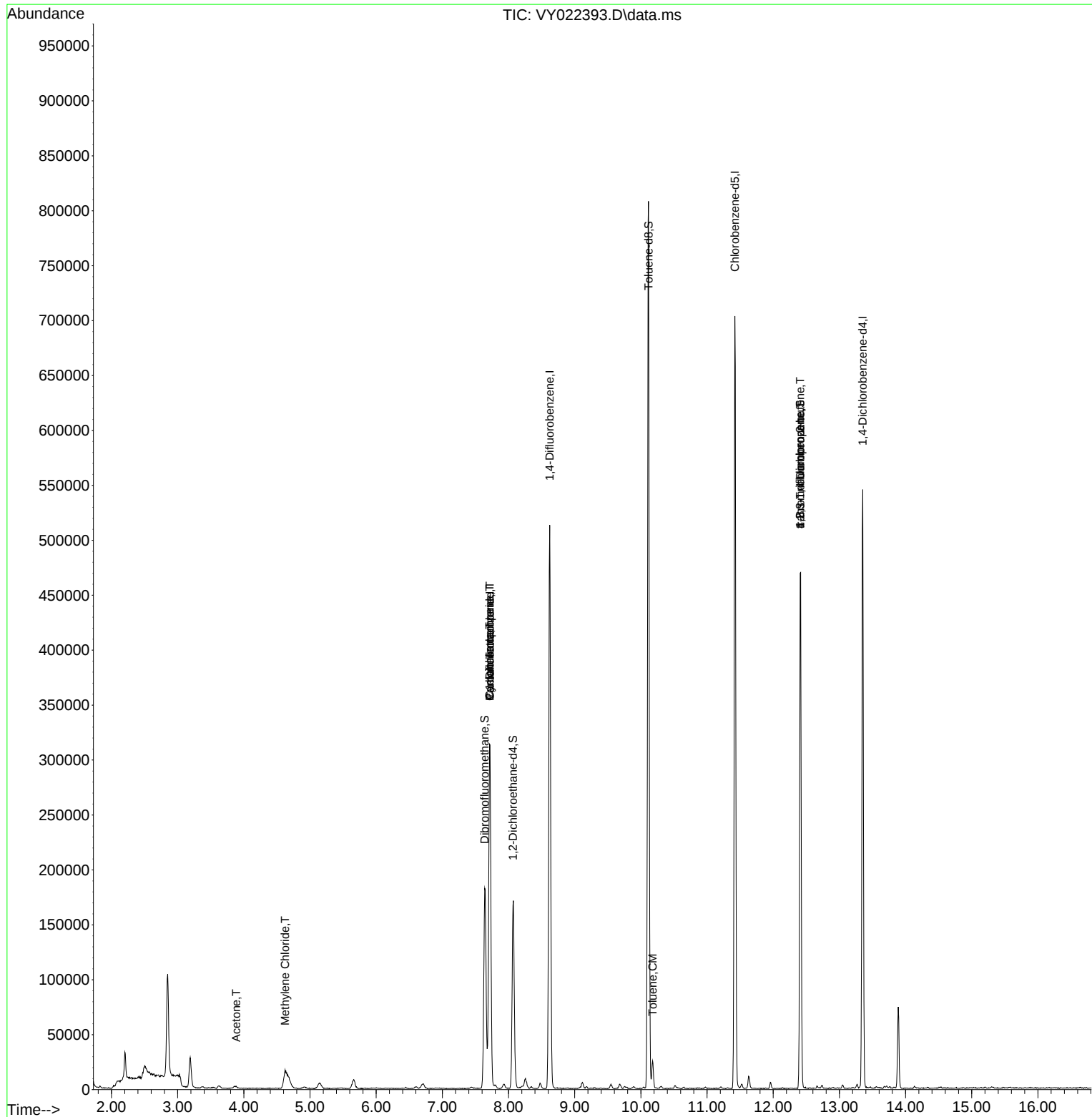
Internal Standards						
1) Pentafluorobenzene	7.720	168	242112	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	427478	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	344204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	128188	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	125709	47.508	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.020%
35) Dibromofluoromethane	7.640	113	129435	50.730	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.460%
50) Toluene-d8	10.115	98	512091	49.006	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.020%
62) 4-Bromofluorobenzene	12.408	95	131623	39.739	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.480%
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	2288	4.611	ug/l #	79
20) Methylene Chloride	4.623	84	9799	3.056	ug/l	86
31) Cyclohexane	7.713	56	8302	1.551	ug/l #	19
36) 1,1-Dichloropropene	7.713	75	19979	4.754	ug/l #	50
38) Carbon Tetrachloride	7.720	117	24617	5.659	ug/l #	15
52) Toluene	10.176	92	9715	1.231	ug/l	99
76) 1,2,3-Trichloropropane	12.408	75	76184	58.663	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	76184	118.836	ug/l #	12

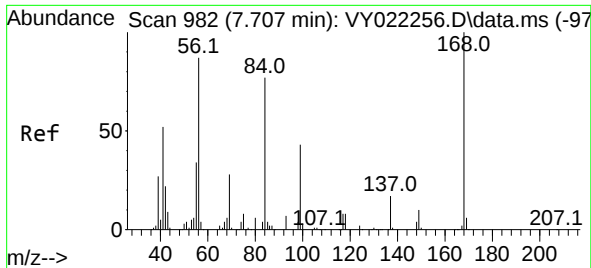
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
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TP-38

Quant Time: May 23 03:37:42 2025
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Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

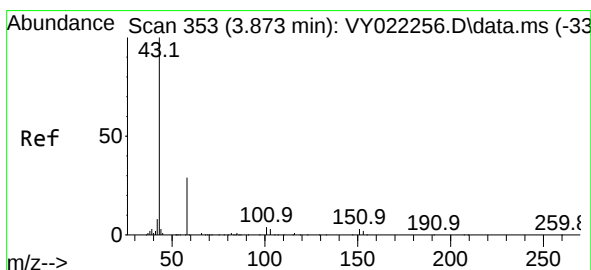
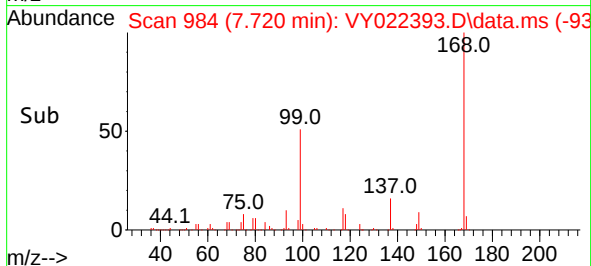
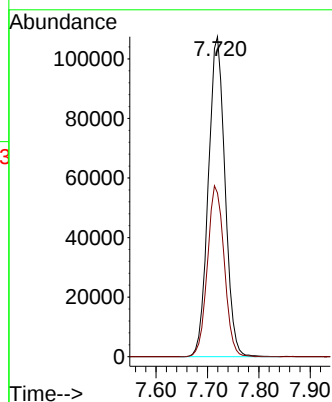
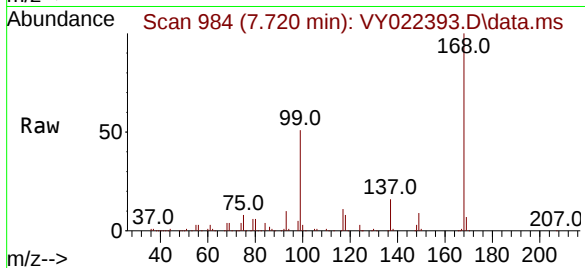




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 982
Delta R.T. 0.013 min
Lab File: VY022393.D
Acq: 22 May 2025 14:09

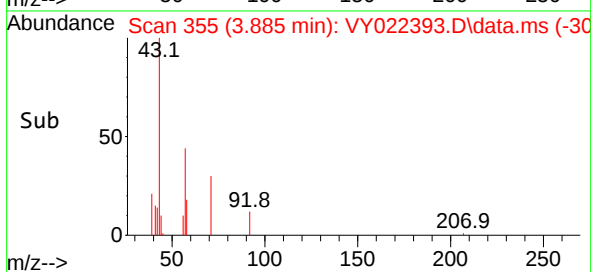
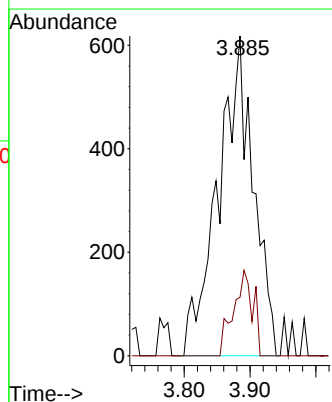
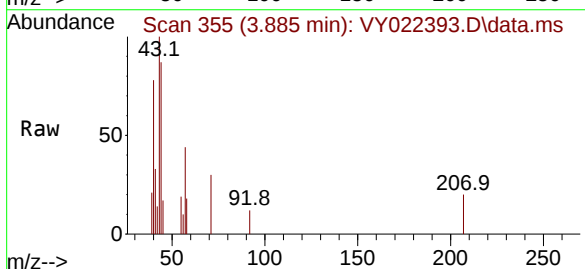
Instrument :
MSVOA_Y
ClientSampleId :
TP-38

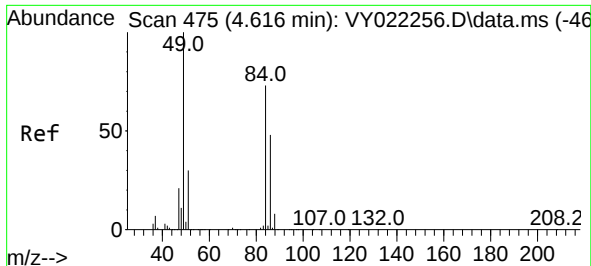
Tgt Ion:168 Resp: 242112
Ion Ratio Lower Upper
168 100
99 51.1 44.2 66.4



#16
Acetone
Concen: 4.611 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY022393.D
Acq: 22 May 2025 14:09

Tgt Ion: 43 Resp: 2288
Ion Ratio Lower Upper
43 100
58 18.3 23.6 35.4#

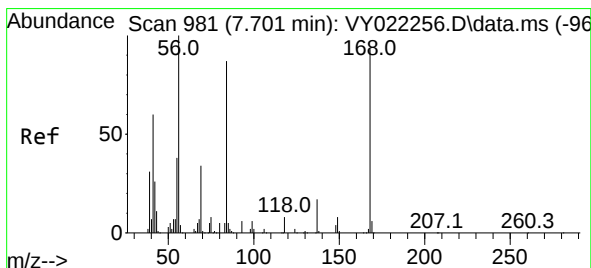
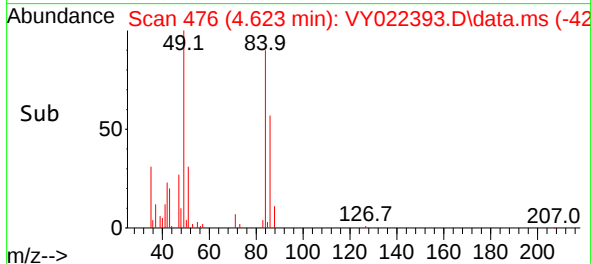
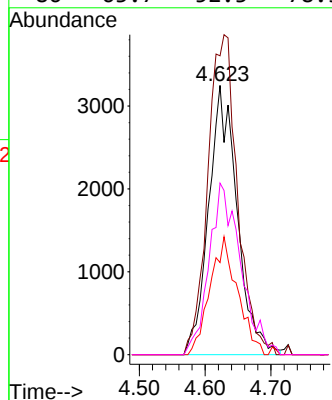
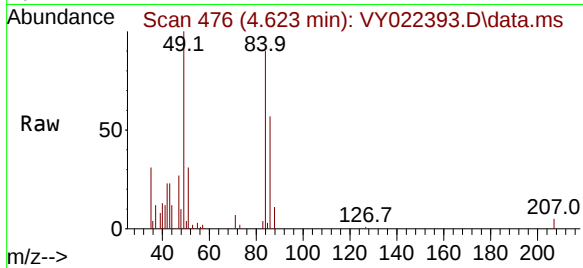




#20
Methylene Chloride
Concen: 3.056 ug/l
RT: 4.623 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022393.D
Acq: 22 May 2025 14:09

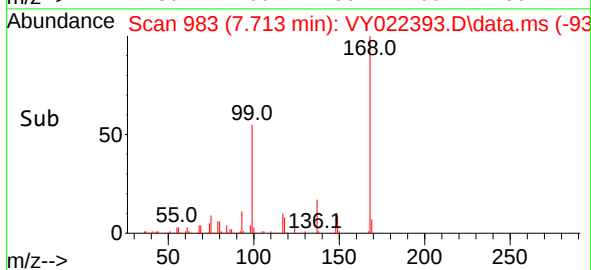
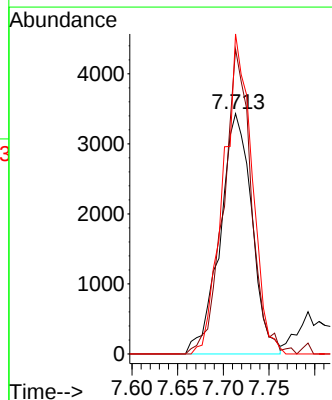
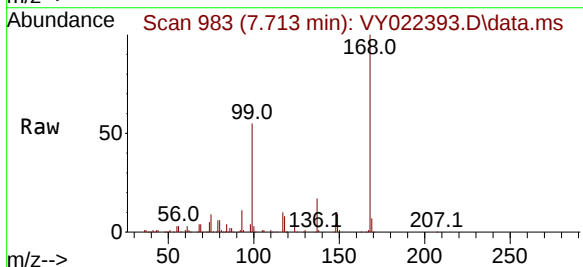
Instrument :
MSVOA_Y
ClientSampleId :
TP-38

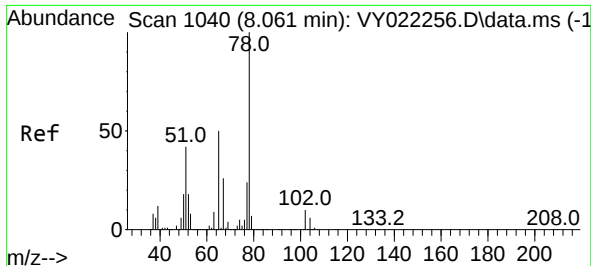
Tgt Ion:	84	Resp:	9799
Ion	Ratio	Lower	Upper
84	100		
49	111.0	109.6	164.4
51	34.2	32.4	48.6
86	63.7	52.3	78.5



#31
Cyclohexane
Concen: 1.551 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY022393.D
Acq: 22 May 2025 14:09

Tgt Ion:	56	Resp:	8302
Ion	Ratio	Lower	Upper
56	100		
69	126.9	27.4	41.2#
84	133.2	70.0	105.0#





#33

1,2-Dichloroethane-d4

Concen: 47.508 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY022393.D

Acq: 22 May 2025 14:09

Instrument :

MSVOA_Y

ClientSampleId :

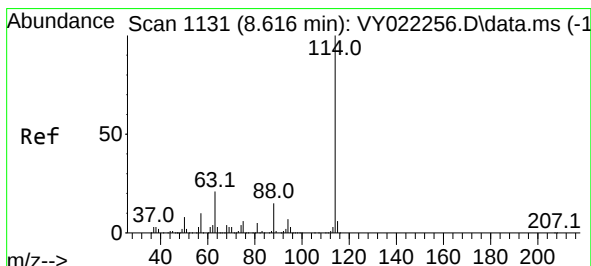
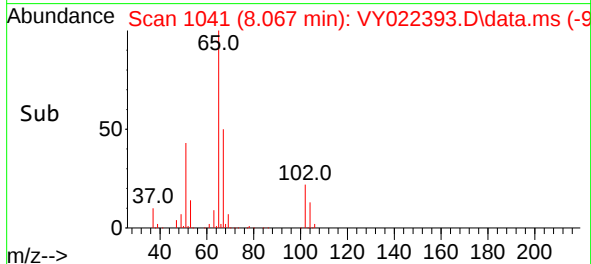
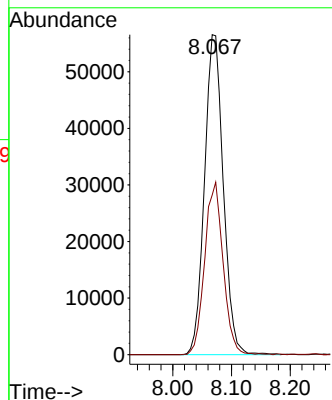
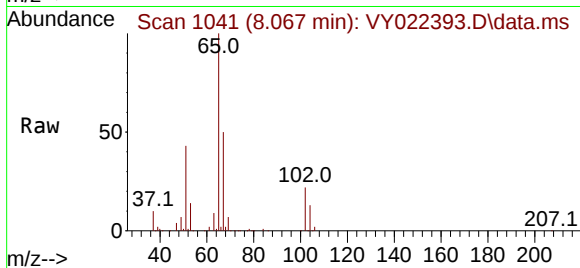
TP-38

Tgt Ion: 65 Resp: 125709

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022393.D

Acq: 22 May 2025 14:09

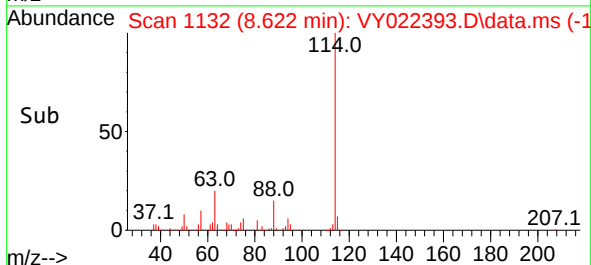
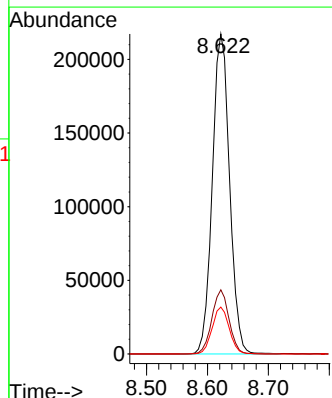
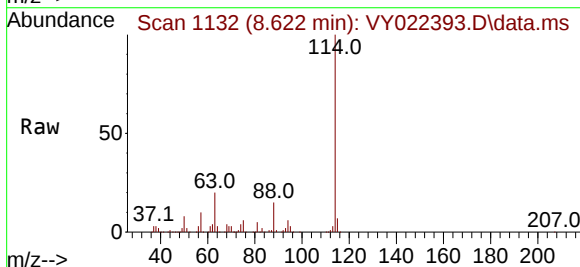
Tgt Ion: 114 Resp: 427478

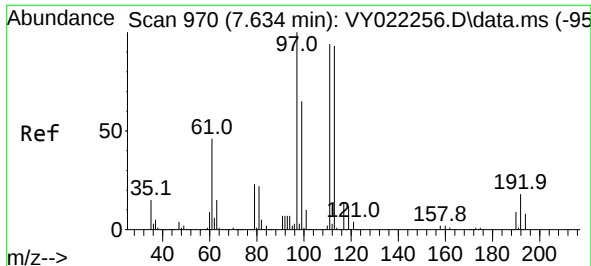
Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.0

88 14.7 0.0 29.4

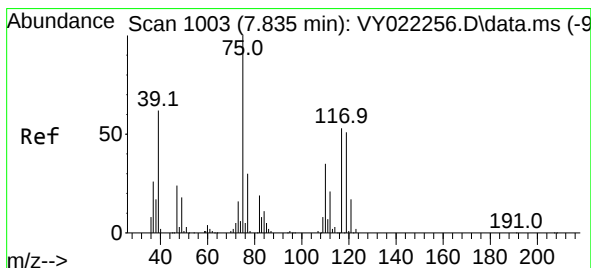
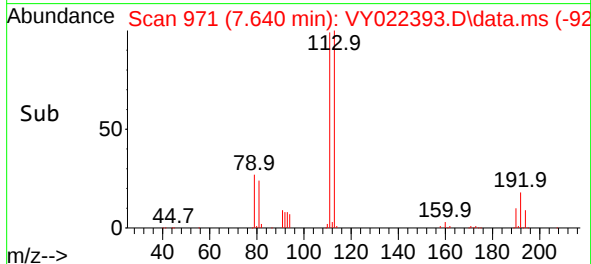
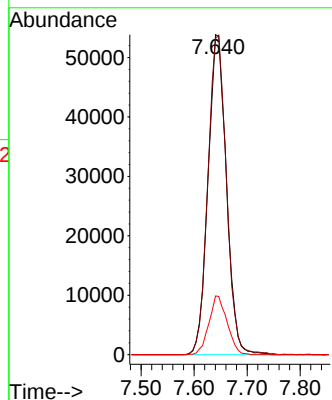
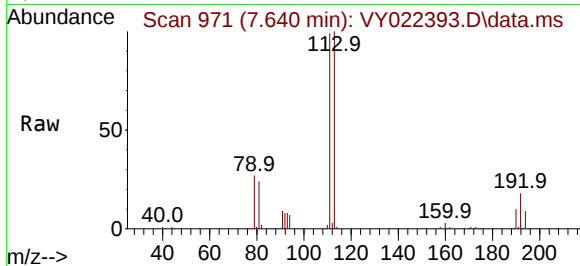




#35
Dibromofluoromethane
Concen: 50.730 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022393.D
Acq: 22 May 2025 14:09

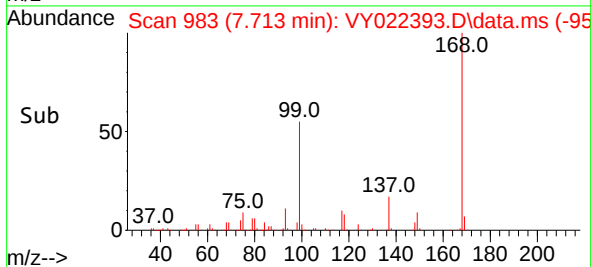
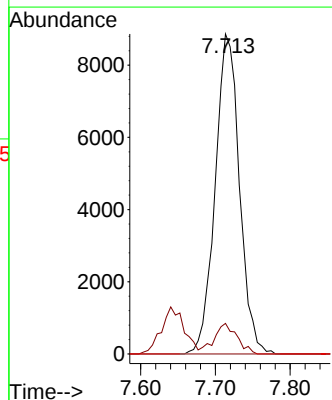
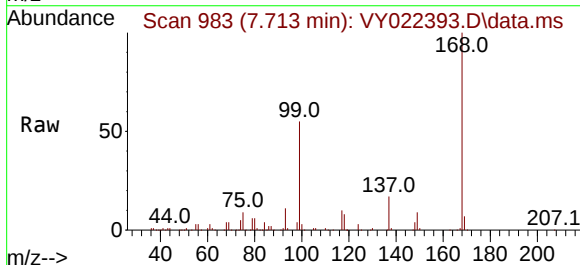
Instrument :
MSVOA_Y
ClientSampleId :
TP-38

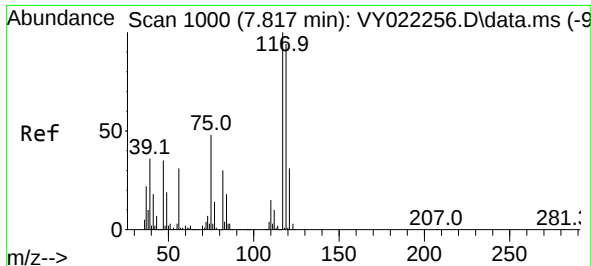
Tgt Ion:113 Resp: 129435
Ion Ratio Lower Upper
113 100
111 100.8 82.6 123.8
192 18.2 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.754 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY022393.D
Acq: 22 May 2025 14:09

Tgt Ion: 75 Resp: 19979
Ion Ratio Lower Upper
75 100
110 8.7 16.6 49.8#
77 0.0 24.6 37.0#

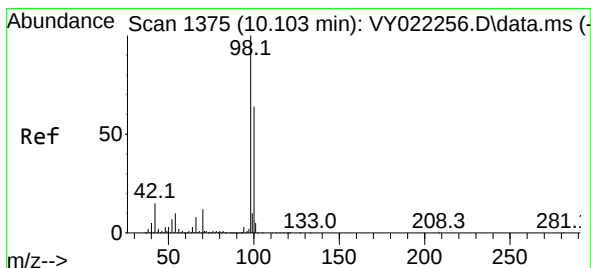
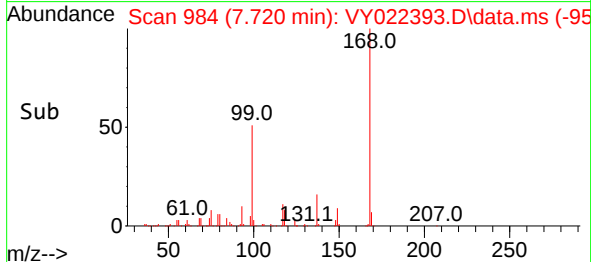
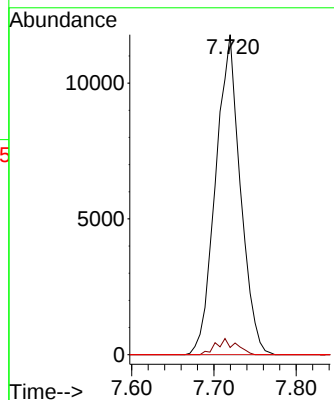
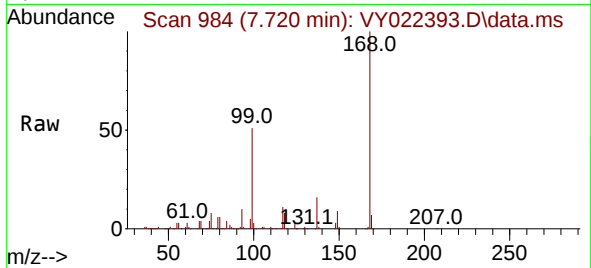




#38
Carbon Tetrachloride
Concen: 5.659 ug/l
RT: 7.720 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY022393.D
Acq: 22 May 2025 14:09

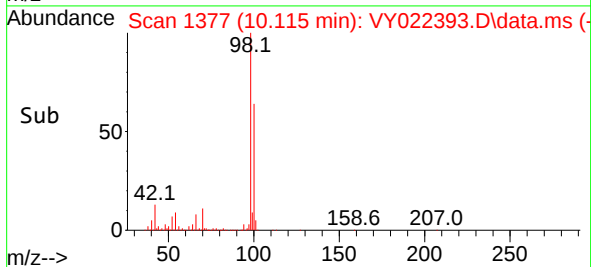
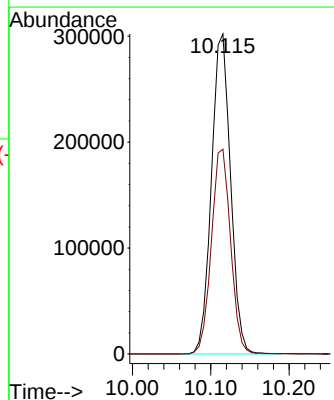
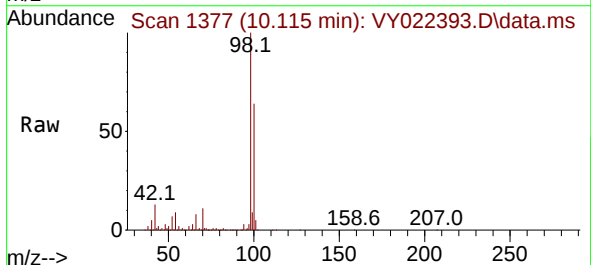
Instrument :
MSVOA_Y
ClientSampleId :
TP-38

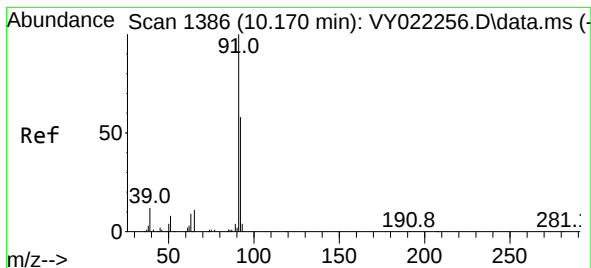
Tgt Ion:117 Resp: 24617
Ion Ratio Lower Upper
117 100
119 2.2 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.006 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022393.D
Acq: 22 May 2025 14:09

Tgt Ion: 98 Resp: 512091
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8





#52

Toluene

Concen: 1.231 ug/l

RT: 10.176 min Scan# 1386

Delta R.T. 0.006 min

Lab File: VY022393.D

Acq: 22 May 2025 14:09

Instrument :

MSVOA_Y

ClientSampleId :

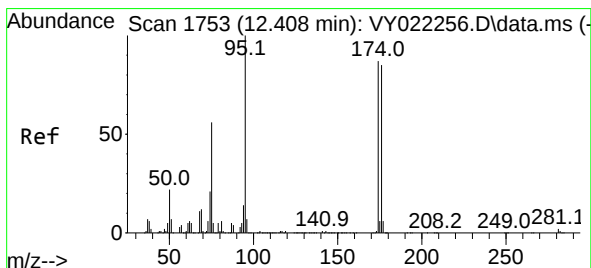
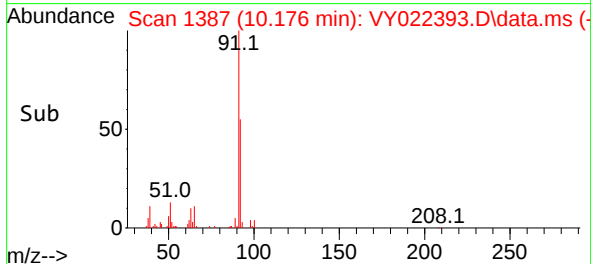
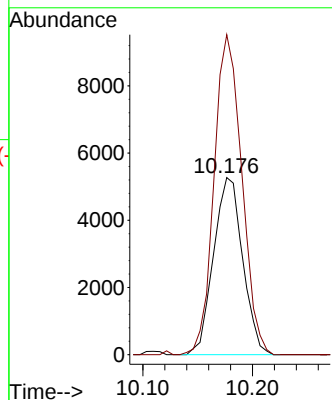
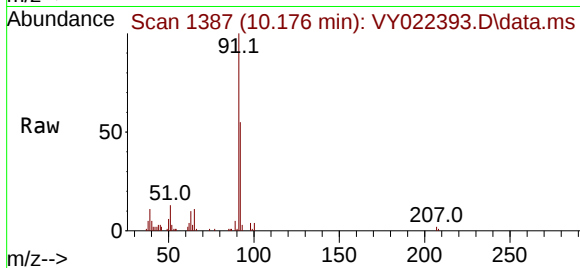
TP-38

Tgt Ion: 92 Resp: 9715

Ion Ratio Lower Upper

92 100

91 172.5 139.1 208.7



#62

4-Bromofluorobenzene

Concen: 39.739 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY022393.D

Acq: 22 May 2025 14:09

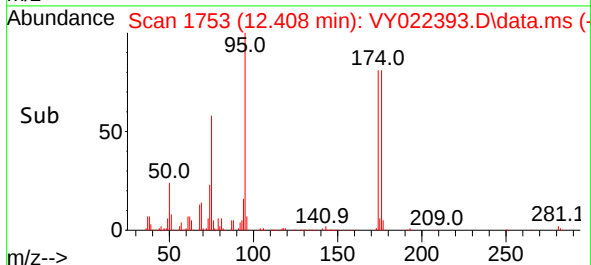
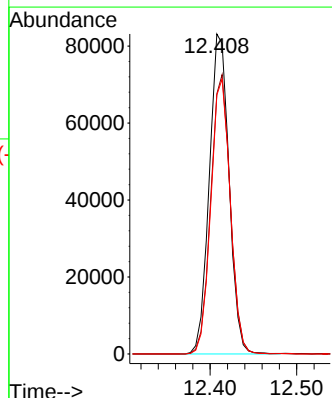
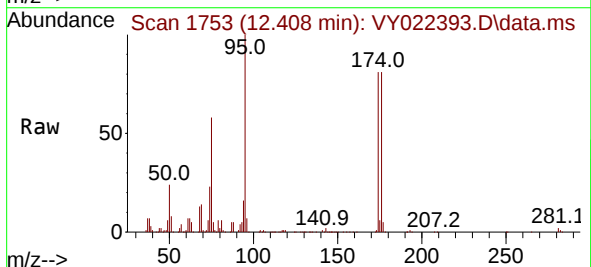
Tgt Ion: 95 Resp: 131623

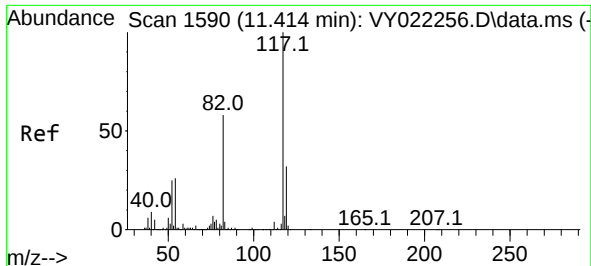
Ion Ratio Lower Upper

95 100

174 86.1 0.0 166.8

176 84.5 0.0 160.8

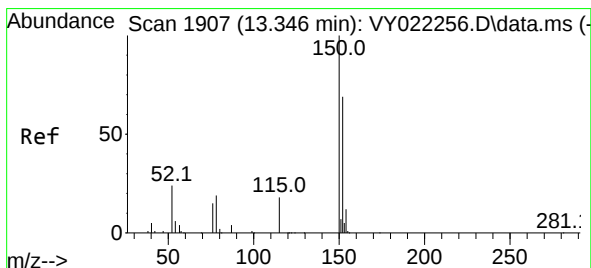
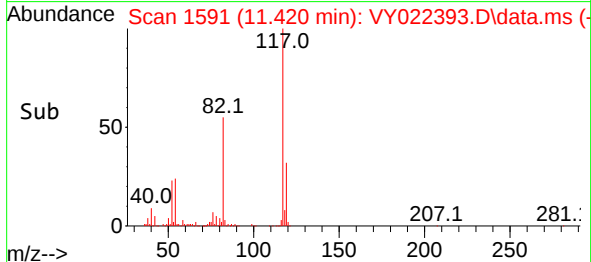
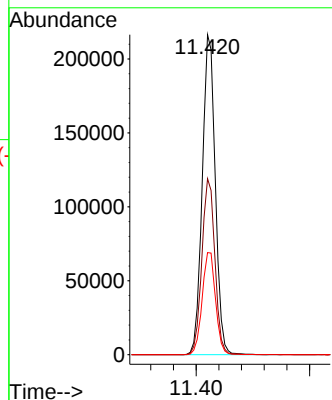
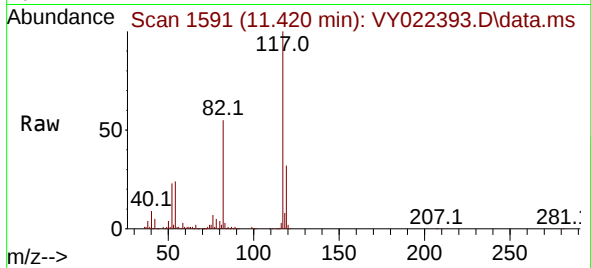




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY022393.D
Acq: 22 May 2025 14:09

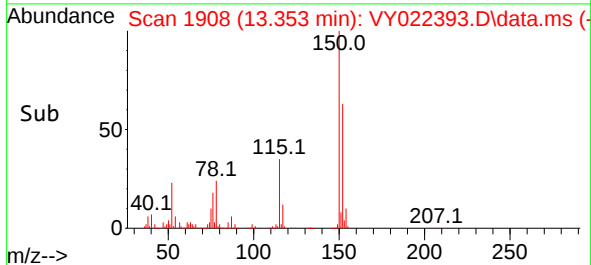
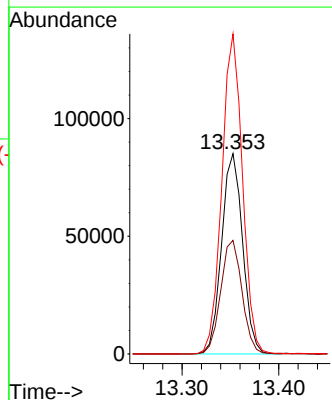
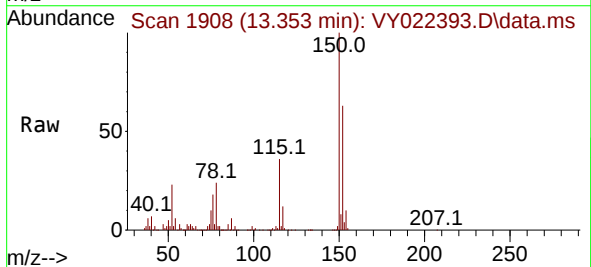
Instrument :
MSVOA_Y
ClientSampleId :
TP-38

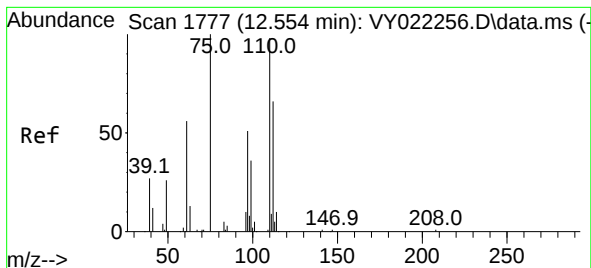
Tgt Ion:117 Resp: 344204
Ion Ratio Lower Upper
117 100
82 55.0 46.6 70.0
119 31.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022393.D
Acq: 22 May 2025 14:09

Tgt Ion:152 Resp: 128188
Ion Ratio Lower Upper
152 100
115 57.7 29.4 88.2
150 156.9 0.0 353.8





#76

1,2,3-Trichloropropane

Concen: 58.663 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022393.D

Acq: 22 May 2025 14:09

Instrument :

MSVOA_Y

ClientSampleId :

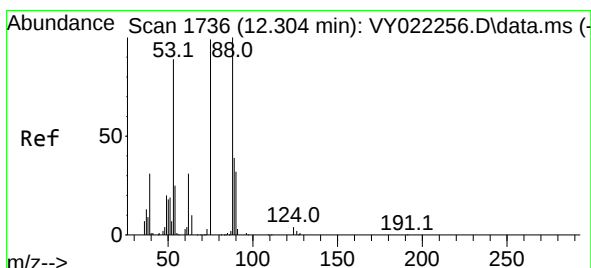
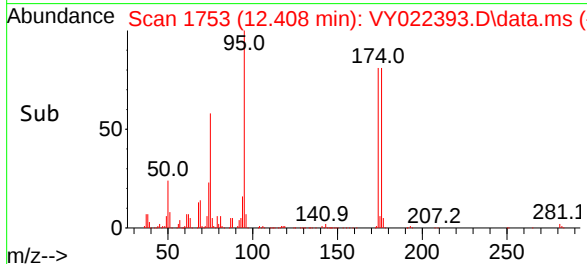
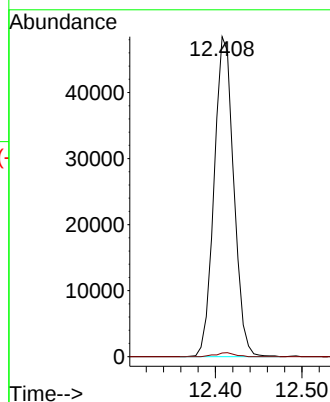
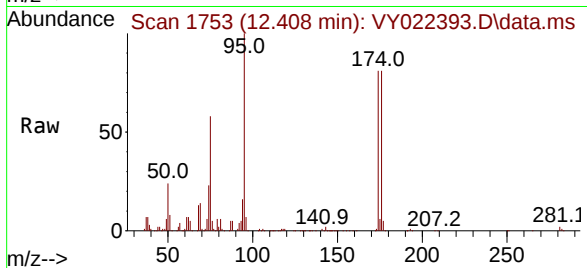
TP-38

Tgt Ion: 75 Resp: 76184

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 118.836 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY022393.D

Acq: 22 May 2025 14:09

Tgt Ion: 75 Resp: 76184

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

89 0.0 36.2 54.2#

